

For starting up, if you miss any library please use command "pip install xxx" to add them. And then run the python file, if you see the picture below, which means run successfully.

```
^C
(base) → dfl website with database /opt/anaconda3/bin/python "/Users/wangyifan/Desktop/dfl website with database/web.py"
* Serving Flask app 'web'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:8081
* Running on http://10.206.115.22:8081
Press CTRL+C to quit
* Restarting with watchdog (fsevents)
* Debugger is active!
* Debugger PIN: 932-165-207
```

The Durfuse testdata website is used for collecting data and providing automatic search functionality. There are three main parts: "see all data", "search from data", "add my data". Because of the continuous experiment about Durfuse paste, the website still needs more details in the future work.



DFLT DATA on the right top corner is the navigation bar, click it will return to the homepage

Add website

The add website has the bga and non-bga part

There is the example of bga part

1. Need to input according to the example showed on screen, or will get warning
2. Can add jpg picture for the hirox test result

3. Click “print ” button to get a copy of the paste information
4. Click “add and upload” to add information to database

DFLT DATA

Select Type

BGA

Start Date

2023-09-06

BGA PART

BOARD TYPE

e.g. DFLT

Ball Size

e.g. 300

Ball Composition

-- select an element

Enter Percentage

+

Finish

Paste TYPE

e.g. DFLT

Paste Size

e.g. 300

Finish

Reflow Tempeture

e.g. 200

Reflow Time

e.g. 30

test_result_type

choose one type

Upload

Uploading

ABOUT




COMPOSITION

Print Profile

Add & Upload

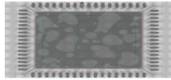
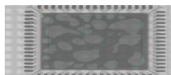
CHECK ALL DATA website

Click next and previous button to see more data in the dataset

2023-08-28	sdfs	300	sds	23	300	20	{"Beryllium": "11"}	{"Beryllium": "11", "Silicon": "15", "Nitrogen": "16"}		0	50
2023-08-28	fgdfg						{}	{}		0	0
2023-08-28	sdfs						{}	{}		0	0
2023-08-28	xcvxxc						{}	{}		0	50

BGAs Next


onBGAs Data

Time	Type	Description	Hirox Result	Drop Test Result	Shear Test Result
2023-08-28	DGFS	None		0	50
2023-08-28	SDFS	None		20	50
2023-08-28	XCVX	None		20	50

SEARCH WEBSITE

You can choose what you want to search following the lists and then get the whole data which who has this condition

BGA:

 DFLTDATA


PLEASE SELECT THE INFORMATION

Select Type

BGA

board_type

dghskthfs

2023-08-28	dghskthfs	300	sdfs	23	388	23	{"Beryllium": "123", "Lithium": "2342"}	{"Lithium": "12"}		287	50
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NON-BGA

SELECT THE INFORMATION

Select Type

NON-BGA

timer

2023-08-28

Timer	Type	Description	Hirox Result	Drop Test Result	Shear Test Result
2023-08-28	DGGS	null		0	50
Timer	Type	Description	Hirox Result	Drop Test Result	Shear Test Result
2023-08-28	SDFS	null		20	50
Timer	Type	Description	Hirox Result	Drop Test Result	Shear Test Result
2023-08-28	XCVX	null		20	50
Timer	Type	Description	Hirox Result	Drop Test Result	Shear Test Result
2023-08-28	FGHFD	null		0	0
Timer	Type	Description	Hirox Result	Drop Test Result	Shear Test Result